

TEST REPORT

Product : Wireless Digital Video Monitoring System
Trade mark : Infant Optics
Model/Type reference : DXR-8 PRO, DXR8PPZ-A
Serial Number : N/A
Report Number : EED32N811904
FCC ID : 2AAAM-DXR8PPZ-ABU
Date of Issue : Jan. 05, 2022
Test Standards : 47 CFR Part 15 Subpart C
Test result : PASS

Prepared for:

STANDARD MERIT INDUSTRIAL LIMITED
2/A Harrison Court Stage 6,
10 Man Wan Road, Kowloon, Hong Kong

Prepared by:

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Date:

Jan. 05, 2022



Check No.:7544091121

2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | Jan. 05, 2022 | Original |
| | | |
| | | |

3 Test Summary

| Test Item | Test Requirement | Test method | Result |
|--|--|------------------|--------|
| Antenna Requirement | 47 CFR Part 15 Subpart C Section 15.203/15.247 (c) | ANSI C63.10-2013 | Note |
| AC Power Line Conducted Emission | 47 CFR Part 15 Subpart C Section 15.207 | ANSI C63.10-2013 | Note |
| Conducted Peak Output Power | 47 CFR Part 15 Subpart C Section 15.247 (b)(1) | ANSI C63.10-2013 | Note |
| 20dB Occupied Bandwidth | 47 CFR Part 15 Subpart C Section 15.247 (a)(1) | ANSI C63.10-2013 | Note |
| Carrier Frequencies Separation | 47 CFR Part 15 Subpart C Section 15.247 (a)(1) | ANSI C63.10-2013 | Note |
| Hopping Channel Number | 47 CFR Part 15 Subpart C Section 15.247 (b) | ANSI C63.10-2013 | Note |
| Dwell Time | 47 CFR Part 15 Subpart C Section 15.247 (a)(1) | ANSI C63.10-2013 | Note |
| Pseudorandom Frequency Hopping Sequence | 47 CFR Part 15 Subpart C Section 15.247(b)(4)&TCB Exclusion List (7 July 2002) | ANSI C63.10-2013 | Note |
| RF Conducted Spurious Emissions | 47 CFR Part 15 Subpart C Section 15.247(d) | ANSI C63.10-2013 | Note |
| Restricted bands around fundamental frequency (Radiated) | 47 CFR Part 15 Subpart C Section 15.205/15.209 | ANSI C63.10-2013 | Note |
| Radiated Spurious emissions | 47 CFR Part 15 Subpart C Section 15.205/15.209 | ANSI C63.10-2013 | PASS |
| Duty Cycle | ANSI C63.10-2013 | ANSI C63.10-2013 | Note |

Note: Refer to the report of EED32N80046401,

This test report (Ref. No.: EED32N811904) is only valid with the original test report (Ref. No.: EED32N80046401).

Review this report and original report, the EUT just update PCB there are no changes in module and product function, so this report just update PCB and photos.

Therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original report No. EED32N80046401.

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: DXR-8 PRO, DXR8PPZ-A

Only the model DXR-8 PRO was tested, DXR-8 PRO is the system model of the product that of which consist of one camera unit and one monitor unit with the model DXRBPPZ-A. The model DXR-8 PRO is represent the coverage of one Camera unit and one Monitor with the Model DXR8PPZ- A. For DXR8PPZ-A is the model represent the individual Camera/Monitor unit only.

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4 Test Requirement

4.1 Test setup

4.1.1 For Radiated Emissions test setup

Radiated Emissions setup:

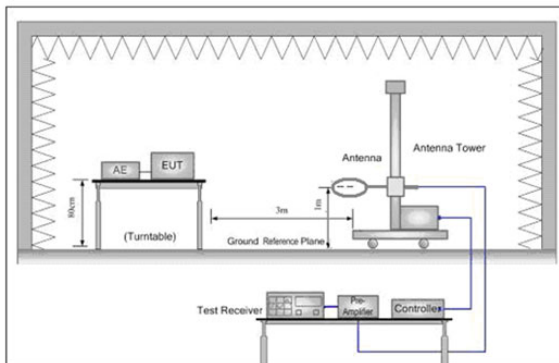


Figure 1. Below 30MHz

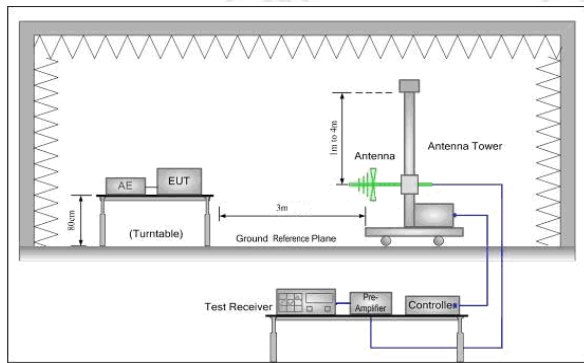


Figure 2. 30MHz to 1GHz

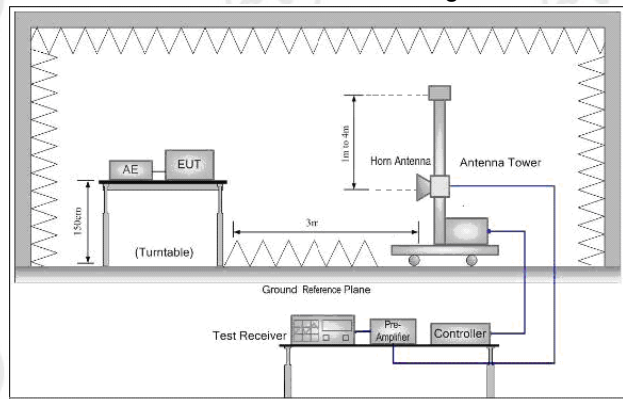


Figure 3. Above 1GHz

4.2 Test Environment

| | |
|-------------------------------|------------|
| Operating Environment: | |
| Temperature: | 22~25.0 °C |
| Humidity: | 50~55 % RH |
| Atmospheric Pressure: | 1010mbar |

4.3 Test Condition

| Test Mode | Tx | RF Channel | | |
|-----------|-------------------|------------|------------|------------|
| | | Low(L) | Middle(M) | High(H) |
| GFSK | 2410MHz ~2477 MHz | Channel 1 | Channel 10 | Channel 20 |
| | | 2410MHz | 2441.5MHz | 2477MHz |

TX mode: The EUT transmitted the continuous modulation test signal at the specific channel(s).

5 General Information

5.1 Client Information

| | |
|--------------------------|--|
| Applicant: | STANDARD MERIT INDUSTRIAL LIMITED |
| Address of Applicant: | 2/A Harrison Court Stage 6, 10 Man Wan Road, Kowloon, Hong Kong |
| Manufacturer: | Foshan Shunde Alford Electronics Co., Ltd |
| Address of Manufacturer: | Xinjian Industrial Park, Daliang, Shunde, Foshan City, Guangdong Province, China |

5.2 General Description of EUT

| | | |
|----------------------------------|--|--|
| Product Name: | Wireless Digital Video Monitoring System | |
| Model No.(EUT): | DXR-8 PRO, DXR8PPZ-A | |
| Test Model No: | DXR-8 PRO | |
| Trade mark: | Infant Optics | |
| EUT Supports Radios application: | 2410MHz - 2477MHz | |
| Power Supply: | AC adapter 1 | Model: BI12T-059100-BdU Input:100-240V~50/60Hz 0.5A Output: DC 5.9V --- 1000mA |
| | AC adapter 2 | Model: BLJ05K059100P-U Input:100-240V~50/60Hz 0.2A Output: 5.9V --- 1000mA |
| Sample Received Date: | Nov.10, 2021 | |
| Sample tested Date: | Nov.10, 2021 to Nov.24, 2021 | |

5.3 Product Specification subjective to this standard

| | | | | | | | |
|-------------------------------------|---|---------|-----------|---------|-----------|---------|-----------|
| Operation Frequency: | 2410MHz - 2477MHz | | | | | | |
| Modulation Technique: | Frequency Hopping Spread Spectrum(FHSS) | | | | | | |
| Modulation Type: | GFSK | | | | | | |
| Number of Channel: | 20 | | | | | | |
| Hopping Channel Type: | Adaptive Frequency Hopping systems | | | | | | |
| Test Power Grade: | Default | | | | | | |
| Test Software of EUT: | Default | | | | | | |
| Antenna Type: | Dipole Antenna | | | | | | |
| Antenna Gain: | 0 dBi | | | | | | |
| Test Voltage: | DC 5.9V | | | | | | |
| Operation Frequency each of channel | | | | | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2410MHz | 6 | 2427.5MHz | 11 | 2445MHz | 16 | 2462.5MHz |
| 2 | 2413.5MHz | 7 | 2431MHz | 12 | 2448.5MHz | 17 | 2466MHz |
| 3 | 2417MHz | 8 | 2434.5MHz | 13 | 2452MHz | 18 | 2469.5MHz |
| 4 | 2420.5MHz | 9 | 2438MHz | 14 | 2455.5MHz | 19 | 2473MHz |
| 5 | 2424MHz | 10 | 2441.5MHz | 15 | 2459MHz | 20 | 2477MHz |

5.4 Description of Support Units

The EUT has been tested independently.

5.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China
Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Other Information Requested by the Customer

None.

5.9 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1 | Radio Frequency | 7.9×10^{-8} |
| 2 | RF power, conducted | 0.46dB (30MHz-1GHz) |
| | | 0.55dB (1GHz-18GHz) |
| 3 | Radiated Spurious emission test | 4.3dB (30MHz-1GHz) |
| | | 4.5dB (1GHz-12.75GHz) |
| 4 | Conduction emission | 3.5dB (9kHz to 150kHz) |
| | | 3.1dB (150kHz to 30MHz) |
| 5 | Temperature test | 0.64°C |
| 6 | Humidity test | 3.8% |
| 7 | DC power voltages | 0.026% |

6 Equipment List

| 3M Semi/full-anechoic Chamber | | | | | |
|----------------------------------|------------------|------------|---------------|------------------------|----------------------------|
| Equipment | Manufacturer | Model No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| 3M Chamber & Accessory Equipment | TDK | SAC-3 | --- | 05-24-2019 | 05-23-2022 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB9163 | 9163-618 | 05-16-2021 | 05-15-2022 |
| Loop Antenna | Schwarzbeck | FMZB 1519B | 1519B-076 | 04-15-2021 | 04-14-2024 |
| Receiver | R&S | ESCI7 | 100938-003 | 10-14-2021 | 10-13-2022 |
| Temperature/ Humidity Indicator | Shanghai qixiang | HM10 | 1804298 | 06-24-2021 | 06-23-2022 |
| Cable line | Fulai(7M) | SF106 | 5219/6A | --- | --- |
| Cable line | Fulai(6M) | SF106 | 5220/6A | --- | --- |
| Cable line | Fulai(3M) | SF106 | 5216/6A | --- | --- |
| Cable line | Fulai(3M) | SF106 | 5217/6A | --- | --- |
| Cable line | Fulai(3M) | SF106 | 5217/6A | --- | --- |

| 3M full-anechoic Chamber | | | | | |
|---------------------------------|--------------|-------------------|---------------|------------------------|----------------------------|
| Equipment | Manufacturer | Model No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| RSE Automatic test software | JS Tonscend | JS36-RSE | 10166 | --- | --- |
| Receiver | Keysight | N9038A | MY57290136 | 03-04-2021 | 03-03-2022 |
| Spectrum Analyzer | Keysight | N9020B | MY57111112 | 03-04-2021 | 03-03-2022 |
| Spectrum Analyzer | Keysight | N9030B | MY57140871 | 03-04-2021 | 03-03-2022 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB 9163 | 9163-1148 | 04-28-2021 | 04-27-2024 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 9170-832 | 04-15-2021 | 04-14-2024 |
| Horn Antenna | ETS-LINDGREN | 3117 | 57407 | 07-04-2021 | 07-03-2024 |
| Preamplifier | EMCI | EMC184055SE | 980597 | 05-20-2021 | 05-19-2022 |
| Preamplifier | EMCI | EMC001330 | 980563 | 04-15-2021 | 04-14-2022 |
| Preamplifier | JS Tonscend | 980380 | EMC051845 SE | 12-31-2020 | 12-30-2021 |
| Communication test set | R&S | CMW500 | 102898 | 12-31-2020 | 12-30-2021 |
| Temperature/ Humidity Indicator | biaozhi | GM1360 | EE1186631 | 04-16-2021 | 04-15-2022 |
| Fully Anechoic Chamber | TDK | FAC-3 | --- | 01-09-2021 | 01-08-2024 |
| Cable line | Times | SFT205-NMSM-2.50M | 394812-0001 | --- | --- |
| Cable line | Times | SFT205-NMSM-2.50M | 394812-0002 | --- | --- |
| Cable line | Times | SFT205-NMSM-2.50M | 394812-0003 | --- | --- |
| Cable line | Times | SFT205-NMSM-2.50M | 393495-0001 | --- | --- |
| Cable line | Times | EMC104-NMNM-1000 | SN160710 | --- | --- |
| Cable line | Times | SFT205-NMSM-3.00M | 394813-0001 | --- | --- |
| Cable line | Times | SFT205-NMNM-1.50M | 381964-0001 | --- | --- |
| Cable line | Times | SFT205-NMSM-7.00M | 394815-0001 | --- | --- |
| Cable line | Times | HF160-KMKM-3.00M | 393493-0001 | --- | --- |

7 Radio Technical Requirements Specification

Reference documents for testing:

| No. | Identity | Document Title |
|-----|------------------|--|
| 1 | FCC Part15C | Subpart C-Intentional Radiators |
| 2 | ANSI C63.10-2013 | American National Standard for Testing Unlicensed Wireless Devices |

Test Results List:

| Test requirement | Test method | Test item | Verdict | Note |
|-----------------------------------|-------------|--|---------|-------------|
| Part15C Section 15.247 (a)(1) | ANSI 63.10 | 20dB Occupied Bandwidth | PASS | Appendix A) |
| Part15C Section 15.247 (a)(1) | ANSI 63.10 | Carrier Frequencies Separation | PASS | Appendix B) |
| Part15C Section 15.247 (a)(1) | ANSI 63.10 | Dwell Time | PASS | Appendix C) |
| Part15C Section 15.247 (b) | ANSI 63.10 | Hopping Channel Number | PASS | Appendix D) |
| Part15C Section 15.247 (b)(1) | ANSI 63.10 | Conducted Peak Output Power | PASS | Appendix E) |
| Part15C Section 15.247(d) | ANSI 63.10 | Band-edge for RF Conducted Emissions | PASS | Appendix F) |
| Part15C Section 15.247(d) | ANSI 63.10 | RF Conducted Spurious Emissions | PASS | Appendix G) |
| Part15C Section 15.247 (a)(1) | ANSI 63.10 | Pseudorandom Frequency Hopping Sequence | PASS | Appendix H) |
| Part15C Section 15.203/15.247 (c) | ANSI 63.10 | Antenna Requirement | PASS | Appendix I) |
| Part15C Section 15.207 | ANSI 63.10 | AC Power Line Conducted Emission | N/A | Appendix J) |
| Part15C Section 15.205/15.209 | ANSI 63.10 | Restricted bands around fundamental frequency (Radiated) Emission) | PASS | Appendix K) |
| Part15C Section 15.205/15.209 | ANSI 63.10 | Radiated Spurious Emissions | PASS | Appendix L) |

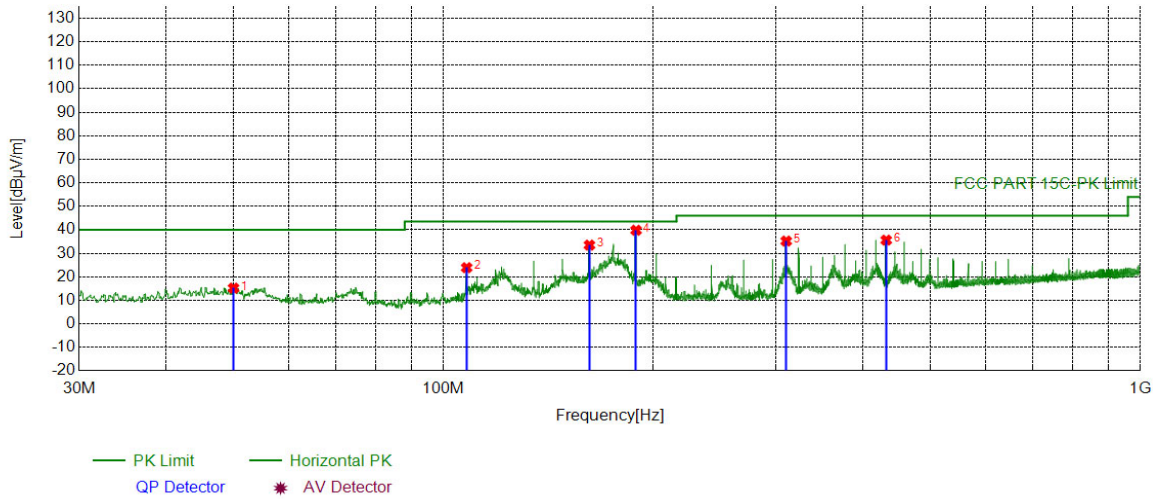
7.1 Radiated Spurious Emissions

| | | | | | |
|--|-------------------|----------------------------------|----------------------|------------|--------------------------|
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
| | 0.009MHz-0.090MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.009MHz-0.090MHz | Average | 10kHz | 30kHz | Average |
| | 0.090MHz-0.110MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 0.110MHz-0.490MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.110MHz-0.490MHz | Average | 10kHz | 30kHz | Average |
| | 0.490MHz -30MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 120kHz | 300kHz | Quasi-peak |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| Peak | | 1MHz | 10Hz | Average | |
| Test Procedure: | | | | | |
| <p>Below 1GHz test procedure as below:</p> <ul style="list-style-type: none"> a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. <p>Above 1GHz test procedure as below:</p> <ul style="list-style-type: none"> g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter). h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. | | | | | |
| Limit: | Frequency | Field strength (microvolt/meter) | Limit (dB μ V/m) | Remark | Measurement distance (m) |
| | 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | - | 30 |
| | 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| | 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| | 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| | 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| | Above 1GHz | 500 | 54.0 | Average | 3 |
| <p>Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.</p> | | | | | |

Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

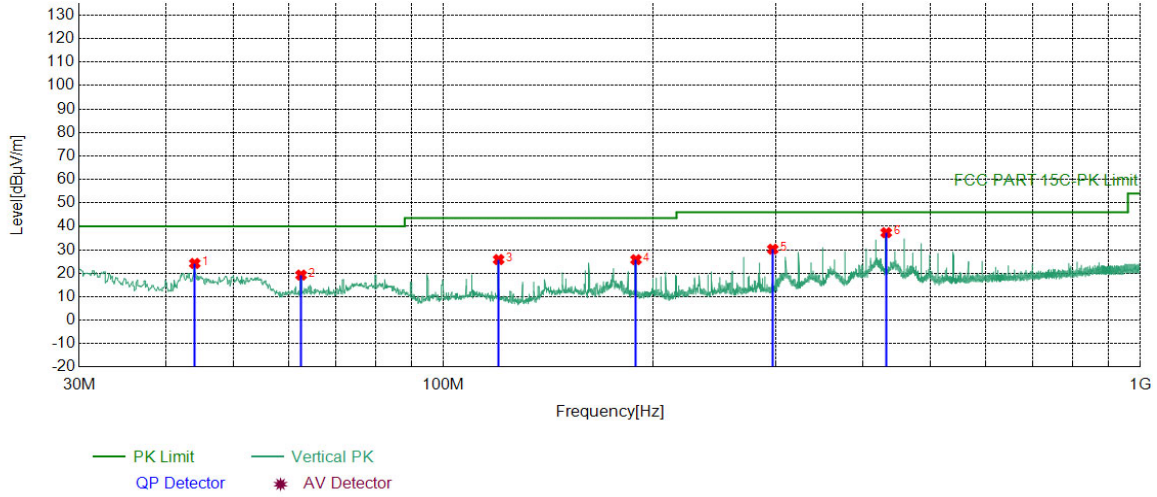
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case mode a was recorded in the report.

Test Graph



| NO | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| 1 | 49.9840 | -17.18 | 32.37 | 15.19 | 40.00 | 24.81 | PASS | Horizontal | Peak |
| 2 | 107.9958 | -18.39 | 42.28 | 23.89 | 43.50 | 19.61 | PASS | Horizontal | Peak |
| 3 | 162.0302 | -21.01 | 54.50 | 33.49 | 43.50 | 10.01 | PASS | Horizontal | Peak |
| 4 | 188.9989 | -18.87 | 58.68 | 39.81 | 43.50 | 3.69 | PASS | Horizontal | Peak |
| 5 | 310.4550 | -15.13 | 50.35 | 35.22 | 46.00 | 10.78 | PASS | Horizontal | Peak |
| 6 | 432.0082 | -12.22 | 47.83 | 35.61 | 46.00 | 10.39 | PASS | Horizontal | Peak |

Test Graph



| NO | Freq. [MHz] | Factor [dB] | Reading [dBµV] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1 | 43.9694 | -17.34 | 41.53 | 24.19 | 40.00 | 15.81 | PASS | Vertical | Peak |
| 2 | 62.4983 | -19.07 | 38.31 | 19.24 | 40.00 | 20.76 | PASS | Vertical | Peak |
| 3 | 120.0250 | -20.08 | 45.91 | 25.83 | 43.50 | 17.67 | PASS | Vertical | Peak |
| 4 | 188.9989 | -18.87 | 44.64 | 25.77 | 43.50 | 17.73 | PASS | Vertical | Peak |
| 5 | 296.9707 | -15.52 | 45.78 | 30.26 | 46.00 | 15.74 | PASS | Vertical | Peak |
| 6 | 432.0082 | -12.22 | 49.51 | 37.29 | 46.00 | 8.71 | PASS | Vertical | Peak |

Radiated Spurious Emission above 1GHz:

| Mode: | | | GFSK Transmitting | | | Channel: | | 2410MHz | |
|-------|-------------|-------------|-------------------|----------------|----------------|-------------|--------|----------|--------|
| NO | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1 | 1326.4326 | 1.15 | 42.64 | 43.79 | 74.00 | 30.21 | PASS | H | PK |
| 2 | 2108.7109 | 4.79 | 41.79 | 46.58 | 74.00 | 27.42 | PASS | H | PK |
| 3 | 4818.1212 | -16.22 | 60.14 | 43.92 | 74.00 | 30.08 | PASS | H | PK |
| 4 | 7673.3116 | -11.09 | 52.72 | 41.63 | 74.00 | 32.37 | PASS | H | PK |
| 5 | 9215.4144 | -7.89 | 51.54 | 43.65 | 74.00 | 30.35 | PASS | H | PK |
| 6 | 13762.7175 | -1.68 | 50.21 | 48.53 | 74.00 | 25.47 | PASS | H | PK |
| 7 | 1337.2337 | 1.18 | 42.82 | 44.00 | 74.00 | 30.00 | PASS | V | PK |
| 8 | 1896.6897 | 4.01 | 43.11 | 47.12 | 74.00 | 26.88 | PASS | V | PK |
| 9 | 4818.1212 | -16.22 | 56.31 | 40.09 | 74.00 | 33.91 | PASS | V | PK |
| 10 | 7029.2686 | -11.75 | 53.80 | 42.05 | 74.00 | 31.95 | PASS | V | PK |
| 11 | 11110.5407 | -6.22 | 50.83 | 44.61 | 74.00 | 29.39 | PASS | V | PK |
| 12 | 13713.7142 | -1.75 | 51.15 | 49.40 | 74.00 | 24.60 | PASS | V | PK |

| Mode: | | | GFSK Transmitting | | | Channel: | | 2441.5MHz | |
|-------|-------------|-------------|-------------------|----------------|----------------|-------------|--------|-----------|--------|
| NO | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1 | 1292.0292 | 1.04 | 43.90 | 44.94 | 74.00 | 29.06 | PASS | H | PK |
| 2 | 1744.2744 | 3.09 | 41.52 | 44.61 | 74.00 | 29.39 | PASS | H | PK |
| 3 | 4881.1254 | -16.21 | 59.00 | 42.79 | 74.00 | 31.21 | PASS | H | PK |
| 4 | 7322.2882 | -11.65 | 53.03 | 41.38 | 74.00 | 32.62 | PASS | H | PK |
| 5 | 10296.4864 | -6.48 | 51.18 | 44.70 | 74.00 | 29.30 | PASS | H | PK |
| 6 | 13717.7145 | -1.75 | 50.66 | 48.91 | 74.00 | 25.09 | PASS | H | PK |
| 7 | 1338.0338 | 1.19 | 42.52 | 43.71 | 74.00 | 30.29 | PASS | V | PK |
| 8 | 1807.2807 | 3.33 | 42.40 | 45.73 | 74.00 | 28.27 | PASS | V | PK |
| 9 | 4881.1254 | -16.21 | 56.57 | 40.36 | 74.00 | 33.64 | PASS | V | PK |
| 10 | 6852.2568 | -12.11 | 52.50 | 40.39 | 74.00 | 33.61 | PASS | V | PK |
| 11 | 9233.4156 | -7.90 | 51.86 | 43.96 | 74.00 | 30.04 | PASS | V | PK |
| 12 | 13737.7158 | -1.72 | 51.48 | 49.76 | 74.00 | 24.24 | PASS | V | PK |

| Mode: | | | GFSK Transmitting | | | Channel: | | 2477MHz | |
|-------|-------------|-------------|-------------------|----------------|----------------|-------------|--------|----------|--------|
| NO | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1 | 1322.4322 | 1.13 | 43.00 | 44.13 | 74.00 | 29.87 | PASS | H | PK |
| 2 | 1662.6663 | 2.70 | 42.93 | 45.63 | 74.00 | 28.37 | PASS | H | PK |
| 3 | 4954.1303 | -15.99 | 59.07 | 43.08 | 74.00 | 30.92 | PASS | H | PK |
| 4 | 7792.3195 | -11.35 | 53.44 | 42.09 | 74.00 | 31.91 | PASS | H | PK |
| 5 | 9256.4171 | -7.92 | 51.89 | 43.97 | 74.00 | 30.03 | PASS | H | PK |
| 6 | 13741.7161 | -1.71 | 50.85 | 49.14 | 74.00 | 24.86 | PASS | H | PK |
| 7 | 1349.6350 | 1.22 | 42.37 | 43.59 | 74.00 | 30.41 | PASS | V | PK |
| 8 | 1856.0856 | 3.70 | 41.45 | 45.15 | 74.00 | 28.85 | PASS | V | PK |
| 9 | 4952.1301 | -16.00 | 57.84 | 41.84 | 74.00 | 32.16 | PASS | V | PK |
| 10 | 7238.2826 | -11.78 | 53.79 | 42.01 | 74.00 | 31.99 | PASS | V | PK |
| 11 | 9217.4145 | -7.89 | 51.72 | 43.83 | 74.00 | 30.17 | PASS | V | PK |
| 12 | 13283.6856 | -3.40 | 51.03 | 47.63 | 74.00 | 26.37 | PASS | V | PK |

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Factor
 Factor = Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.